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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete If Known	
		Application Number 09/185,360 U.S. Patent No. 6,348,069 Issued February 19, 2002	
		Filing Date	November 3, 1998
		First Named Inventor	Joseph P. Vacanti
		Group Art Unit	3738
		Examiner Name	D. Isabella
Sheet	1	of	27
		Attorney Docket Number	MIT 6917 (CMCC 450) DIV

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYY
		Number	Kind Code* (if known)		
D		1,995,970		Dorough	03-26-1935
		2,609,347		Wilson	09-02-1952
		2,653,917		Hammon	09-29-1953
		2,659,935		Hammon	11-24-1953
		2,664,366		Wilson	12-29-1953
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		3,992,725		Homsy	11-23-1976
		3,995,444		Clark, et al.	12-07-1976
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		4,069,307		Higuchi, et al.	01-17-1978
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		4,141,087		Shalaby, et al.	02-27-1979

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0		4,144,126		Burbidge	03-13-1979
		4,186,448		Brekke	02-05-1980
		4,192,827		Mueller, et al.	03-11-1980
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		Number	Kind Code ² (if known)			
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		Office.*	Number*	Kind Code* (if known)				
		AU	24245/88	B		02-13-1989		
		DE	35 18 150			10-23-1986		
		DE	28 53 614			07-26-1979		
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		WO	92/06702			04-30-1992		
		WO	92/07525			05-14-1992		

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[Signature]		WO	93/07913		04-29-1993	
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[Signature]		WO	93/16687		09-02-1993	
		WO	94/25078		11-10-1994	

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cit and/or country where published	T ⁶
[Signature]		ALLCOCK, H. R., et al., "Synthesis of Poly[(Amino Acid Alkyl Ester)Phosphazenes] ^{1,2} ", <u>Macromolecules</u> , 10(4) (July/August, 1977).	
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		ALLCOCK & KWON, "An Ionically Cross-Linkable Polyphosphazene: Poly[bis(carboxylatophenoxy)phosphazene] and Its Hydrogels and Membranes," <u>Macromolecules</u> 22:75-79 (1989).	
		ALLCOCK & KWON, "Glyceryl Phosphazenes: Synthesis, Properties, and Hydrolysis," <u>Macromolecules</u> 21(7):1980-1985 (1988).	
		ALLCOCK & SCOPELIANOS, "Synthesis of Sugar-Substituted Cyclic and Polymeric Phosphazenes and Their Oxidation, Reduction, and Acetylation Reactions," <u>Macromolecules</u> 16(5):715-719 (1983).	
		ATALA and CASALE, "Management of Primary Vesicoureteral Reflux," <u>Infections in Urology</u> pp 39-43 (March/April, 1990)	
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		Application Number	09/185,360 U.S. Patent No. 6,348,069 Issued February 19, 2002
		Filing Date	November 3, 1998
		First Named Inventor	Joseph P. Vacanti
		Group Art Unit	3738
		Examiner Name	D. Isabella
Sheet 8 of 27	Attorney Docket Number	MIT 6917 (CMCC 450) DIV	

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J		ATALA, et al., "Sonography with Sonicated Albumin in the Detection of Vesicoureteral Reflux," <u>The Journal of Urology</u> 150:756-758 (August, 1993).	
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		BISSELL, et al., "Interactions of Rat Hepatocytes with Type IV Collagen, Fibronectin and Laminin Matrices, Distinct Matrix-Controlled Modes of Attachment and Spreading," <u>European Journ. of Cell Biology</u> 40:72-78 (1986).	
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		BURKE, "The Effects of the Configuration of an Artificial Extracellular Matrix on the Development of a Functional Dermis," <u>The Role of Extracellular Matrix in Development</u> 351-355 (Alan R. Liss, Inc., NY 1984).	
		CAO, et al., "Bone Reconstruction with Tissue Engineered Vascularized Bone," (Abstract) April 30 - May 3, 1995	

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10		DAVIS., et al., "Human Amnion Membrane Serves as a Substratum for Growing Axons In Vitro and in Vivo," <u>Science</u> , 236:1106-1109 (May 29, 1987).	
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GI		GROTH, et al., "Correction of Hyperbilirubinemia in the Glucuronyltransferase-Deficient Rat by Intraportal Hepatocyte Transplantation," <u>Transplant. Proc.</u> 9:313-316 (1977).	
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		Filing Date	November 3, 1998
		First Named Inventor	Joseph P. Vacanti
		Group Art Unit	3738
		Examiner Name	D. Isabella
Sheet 15 of 27	Attorney Docket Number	MIT 6917 (CMCC 450) DIV	

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
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Sheet 22 of 27	Attorney Docket Number	MIT 6917 (CMCC 450) DIV	

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		SIRICA, et al., "Fetal Phenotypic Expression by Adult Rat Hepatocytes on Collagen Gel/Nylon Meshes," <u>Proc. Natl. Acad. Sci. USA</u> , 76(1):283-287 (January, 1979).	
		SLADEK & SHOULSON, "Neural Transplantation: A Call for Patience Rather Than Patients," <u>Science</u> , 240:386-388 (June 10, 1988).	
		SLADEK, "Transplantation of Fetal Dopamine Neurons in Primate Brain Reverses MPTP Induced Parkinsonism," <u>Progress in Brain Research</u> , 71:309-323 (1987).	
		SLADEK, et al, "Reversal of Parkinsonism by Fetal Nerve Cell Transplants in Primate Brain," <u>Annals of the New York Academy of Sciences</u> , 495:641-657 (1987).	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	
				09/185,360 U.S. Patent No. 6,348,069 Issued February 19, 2002	
				Filing Date	
				November 3, 1998	
				First Named Inventor	
		Joseph P. Vacanti			
Group Art Unit		3738			
Examiner Name		D. Isabella			
Attorney Docket Number		MIT 6917 (CMCC 450) DIV			
Sheet	23	of	27		

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87		SLADEK, et al., "Survival and Growth of Fetal Catecholamine Neurons Transplanted Into Primate Brain," <u>Brain Research Bulletin</u> , 17:809-818 (1986).
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		SULLIVAN, "Spinal Injury Research Yields a Glimmer of Hope," <u>The New York Times</u> p.C6 (July 14, 1987).
		SUTHERLAND, D. E., et al., "Hepatocellular Transplantation in Acute Liver Failure," <u>Surgery</u> 82(1):124-132 (July 1977).
		TACHIBANA, "Ureteral Replacement Using Collagen Sponge Tube Grafts," <u>The Journal of Urology</u> 133(4):866-869 (April, 1985).
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		Application Number Filing Date First Named Inventor Group Art Unit Examiner Name Attorney Docket Number	09/185,360 U.S. Patent No. 6,348,069 Issued February 19, 2002 November 3, 1998 Joseph P. Vacanti 3738 D. Isabella MIT 6917 (CMCC 450) DIV
Sheet	24	of	27

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		TAVASSOLI, et al., "Studies on Regeneration of Heterotopic Splenic Autotransplants," <u>Blood</u> , 41(5):701-709 (May, 1973).	
		THOMPSON, "Implantable Bioreactors: Modern Concepts of Gene Therapy," <u>Current Communications in Molecular Biology</u> , Daniel Marshak, et al., editors, pp 143-147 (Cold Spring Harbor Laboratory, 1989).	
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		THUROFF, et al., "Cultured Rabbit Vesical Smooth Muscle Cells for Lining of Dissolvable Synthetic Prosthesis," <u>Urology</u> , 21(2):155-158 (1983).	
		TOMOMURA, et al., "The Control of DNA Synthesis in Primary Cultures of Hepatocytes From Adult and Young Rats: Interactions of Extracellular Matrix Components, Epidermal Growth Factor, and the Cell Cycle," @1987 Alan R. Liss, Inc.	
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		UNOS Update, "National Cooperative Transplantation Study Completed," 7(10) (October/November 1991).	
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		UYAMA, et al., "Delivery of Whole Liver-Equivalent Hepatocyte Mass Using Polymer Devices and Hepatotrophic Stimulation," <u>Transplantation</u> 55:932-935 (April, 1993).	
		VACANTI, et al., "Formation of New Cartilage in Vivo by Implantation of Cell-Polymer Constructs Created in Vitro,"	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/185,360
		Filing Date	November 3, 1998
		First Named Inventor	Joseph P. Vacanti
		Group Art Unit	3738
		Examiner Name	
Sheet 25 of 27	Attorney Docket Number	MIT 6917 (CMCC 450) DIV	

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JP		VACANTI, et al., "Synthetic Polymers Seeded with Chondrocytes Provide a Template for New Cartilage Formation," <u>Journal of the American Society of Plastic and Reconstructive Surgery, Inc.</u> , 88(5):753-759 (November 1991).	
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		VARGO, "Infection as a Complication of Liver Transplant," <u>Critical Care Nurse</u> 9(4):52-62	
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M		VROEMEN, et al., "Hepatocyte Transplantation for Enzyme Deficiency Disease in Congenic Rats," <u>Transplantation</u> , 42(2):130-135 (1986).	

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		Application Number Filing Date First Named Inventor Group Art Unit Examiner Name Attorney Docket Number	09/185,360 U.S. Patent No. 6,348,069 Issued February 19, 2002 November 3, 1998 Joseph P. Vacanti 3738 D. Isabella MIT 6917 (CMCC 450) DIV
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		WALKER, et al., "Injectable Bioglass as a Potential Substitute for Injectable Polytetrafluoroethylene," <u>The Journal of Urology</u> 148(1):645-647	
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		YANNAS, "What Criteria Should be Used for Designing Artificial Skin Replacement and How Well do the Current Grafting Materials Meet These Criteria?" <u>J. of Trauma</u> , 24(9):S29-S39 (1984).	
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